

AJ OIPE

CRF Processing Date:

8/15/2001

Edited by:

Verified by:

(STIC stat)

Sortal Number: 09/720,451

Changed a file from non-ASCII to ASCII

ENTERED

Changed the margins in cases where the sequenct text was 'wrapped' down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: _____

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of lines; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____

Inserted mandatory headings, specifically: _____

Corrected an obvious error in the response, specifically:

CISI? response

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

Other:

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001
TIME: 09:42:37

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08132001\I720451.raw

P.S

1 <110> APPLICANT: Falco, Carl
2 Famodu, Layo O.
4 <120> TITLE OF INVENTION: Tetrahydrofolate Metabolism Enzymes
6 <130> FILE REFERENCE: BB-1179
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/720,451
C--> 9 <141> CURRENT FILING DATE: 2001-06-26
11 <150> PRIOR APPLICATION NUMBER: 60/092,869
12 <151> PRIOR FILING DATE: 1998-07-15
14 <160> NUMBER OF SEQ ID NOS: 8
16 <170> SOFTWARE: Microsoft Office 97
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 542
20 <212> TYPE: DNA
21 <213> ORGANISM: Zea mays
23 <220> FEATURE:
24 <221> NAME/KEY: unsure
25 <222> LOCATION: (363) /
27 <400> SEQUENCE: 1
28 gcacgagcat tagagcgcc gcgccaaagct cgtggtgagg tttcgagat gaaggttatc 60
29 gagaagatcc tggaggcgcc gggggatggc cggacggcgt tctcgttcga gtacttccct 120
30 cccaaagacgg aggagggggt cgagaacctg ttcgagcga tggaccgcat ggtggcgcac 180
31 ggccccctct tctgcgacat cacctggggc gccggggat ccaccgctga ctttaccctc 240
32 gaaatcgcca accgtatgca gaacatggg tggatggaaa ccatgatgca cctgacatgt 300
33 acaaacatgc cagtagagaa gattgaccat gccttggaaa ccatcaaatac caatgggatt 360
W--> 34 canaatgttt tggccctcag aggggattct ccacatgggc aagacaaatt tgtcaagtt 420
35 gaaggcggat ttgcttgc tcttgattt gtagacacata ttatagccaa gtacggtaa 480
36 ttattttgc atactgttac tggttatcag aagcacacct tgagcgatac atgcgaggga 540
37 gg 542
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 164
41 <212> TYPE: PRT
42 <213> ORGANISM: Zea mays
44 <220> FEATURE:
45 <221> NAME/KEY: UNSURE
46 <222> LOCATION: (105)
48 <400> SEQUENCE: 2
49 Met Lys Val Ile Glu Lys Ile Leu Glu Ala Ala Gly Asp Gly Arg Thr
50 1 5 10 15
52 Ala Phe Ser Phe Glu Tyr Phe Pro Pro Lys Thr Glu Glu Gly Val Glu
53 20 25 30
55 Asn Leu Phe Glu Arg Met Asp Arg Met Val Ala His Gly Pro Ser Phe
56 35 40 45
58 Cys Asp Ile Thr Trp Gly Ala Gly Gly Ser Thr Ala Asp Leu Thr Leu
59 50 55 60
61 Glu Ile Ala Asn Arg Met Gln Asn Met Val Cys Val Glu Thr Met Met
62 65 70 75 80
64 His Leu Thr Cys Thr Asn Met Pro Val Glu Lys Ile Asp His Ala Leu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001
TIME: 09:42:37

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08132001\I720451.raw

65 85 90 95
67 Glu Thr Ile Lys Ser Asn Gly Ile Xaa Asn Val Leu Ala Leu Arg Gly
 68 100 105 110
 70 Asp Ser Pro His Gly Gln Asp Lys Phe Val Gln Val Glu Gly Gly Phe
 71 115 120 125
 73 Ala Cys Ala Leu Asp Leu Val Thr His Ile Ile Ala Lys Tyr Gly Glu
 74 130 135 140
 76 Leu Phe Trp His Thr Val Thr Gly Tyr Gln Lys His Thr Leu Ser Asp
 77 145 150 155 160
 79 Thr Cys Glu Gly
 82 <210> SEQ ID NO: 3
 83 <211> LENGTH: 591
 84 <212> TYPE: DNA
 85 <213> ORGANISM: Oryza sativa
 87 <220> FEATURE:
 88 <221> NAME/KEY: unsure
 89 <222> LOCATION: (535)
 91 <220> FEATURE:
 92 <221> NAME/KEY: unsure
 93 <222> LOCATION: (548)
 95 <220> FEATURE:
 96 <221> NAME/KEY: unsure
 97 <222> LOCATION: (554)
 99 <220> FEATURE:
 100 <221> NAME/KEY: unsure
 101 <222> LOCATION: (557)
 103 <220> FEATURE:
 104 <221> NAME/KEY: unsure
 105 <222> LOCATION: (561)
 107 <220> FEATURE:
 108 <221> NAME/KEY: unsure
 109 <222> LOCATION: (591)
 111 <400> SEQUENCE: 3
 112 tctacattac cttacacctac ctcacaaggg acaaagataa aaaatgaaga tcattgagaa 60
 113 aattcacgca gcctcggctg atccaaacag ggtgggttc tcatttgagt tctcccgcc 120
 114 caagactgag gatgggggtgg acaatctgtt tgagaggatg gaccgcattgg tggcaca 180
 115 cccctcgtt tgcgacatca cttgggggtgc tggagggaca acggctgatc ttacattgg 240
 116 aattgccaac aagatgcaga acattgtctg tggagggacc atgatgcacc tcacctgcac 300
 117 caacatgctt gttgagaaga ttgaccatgc tctccacacc atcaagtcca atggcctcca 360
 118 aatgtgctt gcacttcgag gtatccacc gcatggtcag gacaaattcg tccagtcgaa 420
 119 ggcggtttcc tgcacgcg acattggtgc acatatcaga ctaaatatgg tgacacttgg 480
 120 ataagtccctg gtatccagagc acaccggatg tatagaatga tggttggcac acagnggtac 540
121 aatatcnct actnaanaca ngttatctgg acattcgatg caccattttt n 591
 123 <210> SEQ ID NO: 4
 124 <211> LENGTH: 408
 125 <212> TYPE: PRT
 126 <213> ORGANISM: Oryza sativa
 128 <400> SEQUENCE: 4
 129 Ala Arg Val Ile Val Thr Gln Leu Phe Tyr Asp Thr Asp Ile Phe Leu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001
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Input Set : A:\Pto.amc
Output Set: N:\CRF3\08132001\I720451.raw

130	1	5	10	15												
132	Lys	Phe	Val	Asn	Asp	Cys	Arg	Gln	Ile	Gly	Ile	Thr	Cys	Pro	Ile	Val
133									20	25						30
135	Pro	Gly	Ile	Met	Pro	Ile	Asn	Asn	Tyr	Lys	Gly	Phe	Ile	Arg	Met	Thr
136									35	40						45
138	Gly	Phe	Cys	Lys	Thr	Lys	Ile	Pro	Ala	Asp	Ile	Met	Ala	Ala	Leu	Glu
139									50	55						60
141	Pro	Ile	Lys	Asp	Asn	Glu	Glu	Ala	Val	Lys	Ala	Tyr	Gly	Ile	His	Leu
142									65	70						80
144	Gly	Thr	Glu	Met	Cys	Lys	Lys	Ile	Leu	Ala	His	Gly	Ile	Lys	Thr	Leu
145									85							95
147	His	Leu	Tyr	Thr	Leu	Asn	Met	Glu	Lys	Ser	Ala	Leu	Ala	Ile	Leu	Met
148									100	105						110
150	Asn	Leu	Gly	Leu	Ile	Glu	Glu	Ser	Lys	Val	Ser	Arg	Ser	Leu	Pro	Trp
151									115	120						125
153	Arg	Arg	Pro	Ala	Asn	Val	Phe	Arg	Val	Lys	Glu	Asp	Val	Arg	Pro	Ile
154									130	135						140
156	Phe	Trp	Ala	Asn	Arg	Pro	Lys	Ser	Tyr	Ile	Ser	Arg	Thr	Ile	Gly	Trp
157	145								150							160
159	Asp	Gln	Tyr	Pro	His	Gly	Arg	Trp	Gly	Asp	Ser	Cys	Asn	Pro	Ser	Tyr
160									165							175
162	Gly	Ala	Leu	Ser	Asp	Tyr	Gln	Phe	Met	Arg	Pro	Arg	Ala	Arg	Asp	Lys
163									180							190
165	Lys	Leu	Val	Glu	Glu	Trp	Ala	Val	Pro	Leu	Lys	Ser	Val	Glu	Asp	Ile
166									195							205
168	Tyr	Glu	Arg	Phe	Arg	Leu	Tyr	Cys	Leu	Gly	Lys	Leu	Arg	Ser	Asn	Pro
169									210	215						220
171	Trp	Ser	Glu	Leu	Asp	Gly	Leu	Gln	Pro	Glu	Thr	Lys	Ile	Ile	Asn	Glu
172	225								230							240
174	Gln	Leu	Glu	Lys	Ile	Asn	Thr	Lys	Gly	Phe	Leu	Thr	Ile	Asn	Ser	Gln
175									245							255
177	Pro	Ala	Val	Asn	Gly	Glu	Lys	Ser	Asp	Ser	Pro	Thr	Val	Gly	Trp	Gly
178									260							270
180	Gly	Pro	Gly	Gly	Tyr	Val	Tyr	Gln	Lys	Ala	Tyr	Val	Glu	Phe	Phe	Cys
181									275							285
183	Ser	Lys	Glu	Lys	Leu	Asp	Ala	Leu	Val	Asp	Lys	Cys	Lys	Asp	Arg	Thr
184									290							300
186	Ser	Leu	Thr	Tyr	Met	Ala	Val	Asn	Lys	Asp	Gly	Ser	Trp	Lys	Ser	Asn
187	305								310							320
189	Val	Gly	Gln	Thr	Asp	Val	Asn	Ala	Val	Thr	Trp	Gly	Val	Phe	Pro	Ala
190									325							335
192	Lys	Glu	Ile	Ile	Gln	Pro	Thr	Ile	Val	Asp	Pro	Val	Ser	Phe	Asn	Val
193									340							350
195	Trp	Lys	Asp	Glu	Ala	Phe	Glu	Ile	Trp	Ser	Arg	Gly	Trp	Ala	Ser	Leu
196									355							365
198	Tyr	Pro	Glu	Asp	Glu	Ala	Ser	Arg	Lys	Leu	Val	Glu	Glu	Val	Gly	Gly
199									370							380
201	Ser	His	Phe	Leu	Val	Ser	Leu	Val	Asp	Asn	Asp	Tyr	Ile	Asn	Gly	Asp
202	385								390							400

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001
TIME: 09:42:37

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08132001\I720451.raw

204 Leu Phe Ala Val Phe Ala Asp Phe
205 405
207 <210> SEQ ID NO: 5
208 <211> LENGTH: 558
209 <212> TYPE: DNA
210 <213> ORGANISM: Glycine max
212 <400> SEQUENCE: 5
213 tgattgtcac ccaatttattt tatgatacgg atatattcct caaatttgc aacgactgtc 60
214 gccaaattgg aataacgtgt cctattgtac ctggattat gcccattaat aattacaagg 120
215 gctttatccg catgactggg ttttgcaaaa caaagatacc agctgacatt atggctgctt 180
216 tagaggctat caaggacaat gaagaagctg tcaaggctt tggatttac ctgggaactg 240
217 aatgtgcaa aaagatttta gctcatggaa ttaagacatt gcatcttat acactaaata 300
218 tggagaaatc tgcattggca atactaatga accttggctt aattgaagag tccaaagttt 360
219 ctaggtcctt accttggaga cgcctgcac atgtttccg tggtaaagaa gatgtccgtc 420
220 caatcttttgg gcaaatcga ccaaaaagct acatatcaag gaccatagga tggatcaat 480
221 accccacatgg gcgttgggt gattcctgtt atccatcata tggtgcatca tctgattatc 540
222 agttcatgcg gcccacgtg 558
224 <210> SEQ ID NO: 6
225 <211> LENGTH: 408
226 <212> TYPE: PRT
227 <213> ORGANISM: Glycine max
229 <400> SEQUENCE: 6
230 Ala Arg Val Ile Val Thr Gln Leu Phe Tyr Asp Thr Asp Ile Phe Leu
231 1 5 10 15
233 Lys Phe Val Asn Asp Cys Arg Gln Ile Gly Ile Thr Cys Pro Ile Val
234 20 25 30
236 Pro Gly Ile Met Pro Ile Asn Asn Tyr Lys Gly Phe Ile Arg Met Thr
237 35 40 45
239 Gly Phe Cys Lys Thr Lys Ile Pro Ala Asp Ile Met Ala Ala Leu Glu
240 50 55 60
242 Pro Ile Lys Asp Asn Glu Glu Ala Val Lys Ala Tyr Gly Ile His Leu
243 65 70 75 80
245 Gly Thr Glu Met Cys Lys Lys Ile Leu Ala His Gly Ile Lys Thr Leu
246 85 90 95
248 His Leu Tyr Thr Leu Asn Met Glu Lys Ser Ala Leu Ala Ile Leu Met
249 100 105 110
251 Asn Leu Gly Leu Ile Glu Glu Ser Lys Val Ser Arg Ser Leu Pro Trp
252 115 120 125
254 Arg Arg Pro Ala Asn Val Phe Arg Val Lys Glu Asp Val Arg Pro Ile
255 130 135 140
257 Phe Trp Ala Asn Arg Pro Lys Ser Tyr Ile Ser Arg Thr Ile Gly Trp
258 145 150 155 160
260 Asp Gln Tyr Pro His Gly Arg Trp Gly Asp Ser Cys Asn Pro Ser Tyr
261 165 170 175
263 Gly Ala Leu Ser Asp Tyr Gln Phe Met Arg Pro Arg Ala Arg Asp Lys
264 180 185 190
266 Lys Leu Val Glu Glu Trp Ala Val Pro Leu Lys Ser Val Glu Asp Ile
267 195 200 205
269 Tyr Glu Arg Phe Arg Leu Tyr Cys Leu Gly Lys Leu Arg Ser Asn Pro

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001

TIME: 09:42:37

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08132001\I720451.raw

270	210	215	220
272	Trp Ser Glu Leu Asp Gly Leu Gln Pro Glu Thr Lys Ile Ile Asn Glu		
273	225	230	235
275	Gln Leu Glu Lys Ile Asn Thr Lys Gly Phe Leu Thr Ile Asn Ser Gln		240
276	245	250	255
278	Pro Ala Val Asn Gly Glu Lys Ser Asp Ser Pro Thr Val Gly Trp Gly		
279	260	265	270
281	Gly Pro Gly Gly Tyr Val Tyr Gln Lys Ala Tyr Val Glu Phe Phe Cys		
282	275	280	285
284	Ser Lys Glu Lys Leu Asp Ala Leu Val Asp Lys Cys Lys Asp Arg Thr		
285	290	295	300
287	Ser Leu Thr Tyr Met Ala Val Asn Lys Asp Gly Ser Trp Lys Ser Asn		
288	305	310	315
290	Val Gly Gln Thr Asp Val Asn Ala Val Thr Trp Gly Val Phe Pro Ala		320
291	325	330	335
293	Lys Glu Ile Ile Gln Pro Thr Ile Val Asp Pro Val Ser Phe Asn Val		
294	340	345	350
296	Trp Lys Asp Glu Ala Phe Glu Ile Trp Ser Arg Gly Trp Ala Ser Leu		
297	355	360	365
299	Tyr Pro Glu Asp Glu Ala Ser Arg Lys Leu Val Glu Glu Val Gly Gly		
300	370	375	380
302	Ser His Phe Leu Val Ser Leu Val Asp Asn Asp Tyr Ile Asn Gly Asp		
303	385	390	395
305	Leu Phe Ala Val Phe Ala Asp Phe		400
306	405		
308	<210> SEQ ID NO: 7		
309	<211> LENGTH: 451		
310	<212> TYPE: DNA		
311	<213> ORGANISM: Triticum aestivum		
313	<220> FEATURE:		
314	<221> NAME/KEY: unsure		
315	<222> LOCATION: (25)		
317	<220> FEATURE:		
318	<221> NAME/KEY: unsure		
319	<222> LOCATION: (115)		
321	<220> FEATURE:		
322	<221> NAME/KEY: unsure		
323	<222> LOCATION: (120)		
325	<220> FEATURE:		
326	<221> NAME/KEY: unsure		
327	<222> LOCATION: (176)		
329	<220> FEATURE:		
330	<221> NAME/KEY: unsure		
331	<222> LOCATION: (347)		
333	<220> FEATURE:		
334	<221> NAME/KEY: unsure		
335	<222> LOCATION: (371)		
337	<220> FEATURE:		
338	<221> NAME/KEY: unsure		

Use of n and/or Xaa has been detected in the Sequence Listing.

→ Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/720,451

DATE: 08/15/2001
TIME: 09:42:38

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08132001\I720451.raw

L:8 M:270 C: Current Application Number differs, Replaced Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:34 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:67 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:120 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:121 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:350 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:351 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:352 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:355 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:356 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:357 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:384 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:390 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/720,451

DATE: 07/19/2001
TIME: 12:29:05

Input Set : A:\BB-1179 Seq List.txt
Output Set: N:\CRF3\07192001\I720451.raw

3 <110> APPLICANT: Falco, Carl
4 Famodu, Layo O.
6 <120> TITLE OF INVENTION: Tetrahydrofolate Metabolism Enzymes
8 <130> FILE REFERENCE: BB-1179
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/720,451
C--> 11 <141> CURRENT FILING DATE: 2001-06-26
13 <150> PRIOR APPLICATION NUMBER: 60/092,869
W--> 14 <151> PRIOR FILING DATE: (July 15, 1998) 1998-07-15
16 <160> NUMBER OF SEQ ID NOS: 8
18 <170> SOFTWARE: Microsoft Office 97

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

361 <210> SEQ ID NO: 8
362 <211> LENGTH: 101
363 <212> TYPE: PRT
364 <213> ORGANISM: Triticum aestivum
366 <220> FEATURE:
367 <221> NAME/KEY: UNSURE
368 <222> LOCATION: (25)..(26)
370 <220> FEATURE:
371 <221> NAME/KEY: UNSURE
372 <222> LOCATION: (29)
374 <220> FEATURE:
375 <221> NAME/KEY: UNSURE
376 <222> LOCATION: (31)
378 <220> FEATURE:
379 <221> NAME/KEY: UNSURE
380 <222> LOCATION: (49)
382 <400> SEQUENCE: 8
383 Glu His Ile Lys Ala Lys Tyr Gly Asp Tyr Phe Gly Ile Thr Val Ala
384 1 5 10 15
W--> 386 Gly Tyr Pro Glu Ala His Pro Glu Xaa Xaa Ala Tyr Xaa Lys Xaa Leu
387 20 25 30
389 Ala Tyr Leu Lys Arg Lys Val Asp Ala Gly Ala Asp Val Ile Ile Thr
390 35 40 45
W--> 392 Xaa Leu Phe Tyr Asp Thr Asp Ile Phe Leu Lys Phe Val Asn Asp Cys
393 50 55 60
395 Arg Gln Ile Gly Ile Thr Cys Pro Ile Val Pro Gly Ile Met Pro Ile
396 65 70 75 80
398 Asn Asn Tyr Lys Gly Phe Val Arg Met Thr Gly Phe Cys Lys Thr Lys
399 85 90 95
401 Ile Pro Pro Glu Ile
402 100
E--> 404 7

VERIFICATION SUMMARY DATE: 07/19/2001
PATENT APPLICATION: US/09/720,451 TIME: 12:29:06

Input Set : A:\BB-1179 Seq List.txt
Output Set: N:\CRF3\07192001\I720451.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:36 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:69 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:122 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:352 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:353 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:354 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:357 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:358 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:359 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:386 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:392 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:404 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8